ABSTRACT OF THE DISCLOSURE

Systems and methods are provided for network connected computing systems that employ functional multi-processing to optimize bandwidth utilization and accelerate system performance. In one embodiment, the network connected computing system may include a switch based computing system. The system may further include an asymmetric multi-processor system configured in a staged pipeline manner. The network connected computing system may be utilized in one embodiment as a network endpoint system that provides content delivery.

5

SURG:128